TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective July 1, 2011
WIN-1426

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **November 2013**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Heritage Majesta Wood Double Hung Windows, Individual, Non-impact Resistant, manufactured by

Kolbe & Kolbe Millwork Co., Inc.
1323 South Eleventh Avenue
Wausau, WI 54401
(715) 842 - 5666

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Heritage Majesta wood double hung windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for wood double hung windows based on the following tested constructions:

General Description:

System	Description	Rating	Hallmark Certification
1	Heritage Majesta Wood Double Hung; Standard Performance	H-C65 60 x 120 LC-PG65 60x120-H	413-H-1073.00 413-H-1073.01

Product Dimensions:

System	Overall Size	Top Sash Size(s)	Bottom Sash Size(s)
1	60" x 120"	56" x $59\frac{15}{16}$"	56" x 60"

Glazing Description:

System	Glass Construction [1]	Glazing Method [2]
1	IG-1	GM-1

Note: [1] See the "Glass Construction Key" for the glazing construction.
[2] See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: Both sashes contain sealed insulating glass units. The sealed insulating glass units are comprised of two single strength ($\frac{3}{32}$") annealed glass lites separated by a desiccant-filled stainless steel spacer system. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass units are set from the interior against structural silicone backbedding. Along the interior, wood glazing stops are secured with brads spaced 2 inches from each corner and 8 inches on center.

Frame Construction: The head, sill, and vertical members consist of wood members. The frame corners are rabbeted, butted, sealed with silicone, and secured with staples. A brickmould is secured to the frame jambs and head with fasteners spaced 3 inches from each end and 10 inches on center. The brickmould is mitered and secured with two nails per corner. The sill nosing is secured to the brickmould with one screw per corner and to the frame with glue and nails.

Sash Construction: The sash members consist of molded pine sections. The sash corners are mortise and tenon construction and are secured with glue and brads.

Hardware:

- Metal cam locks w/angle screw keepers; Two (2) required; Located on the meeting rail
- Metal pivot pins; Four (4) required; Located on the bottom corners of each sash.
- Polycarbonate top sash retaining brackets; Two (2) required; Located below each end of the checkrail of the top sash.
- Vinyl jamb liner with balances; Two (2) required; Located on the side jambs.

Product Identification: A certification program label (WDMA Hallmark Certified) will be affixed to the window. The certification program label includes the manufacturer's name; product name; performance characteristics; the approved inspection agency (WDMA); and the following applicable standards: AAMA/WDMA/CSA 101/I.S.2/A440-05 and AAMA/WDMA/CSA 101/I.S.2/A440-08.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	60	120	+65/-80

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Higher Negative Design Pressure: The WDMA Hallmark Certified label indicates the product was tested to a higher negative design pressure. The higher negative design pressure is indicated in the limitations section of this report.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation

Option 1 (Installation Clip): The window assembly shall be fastened to minimum Southern Yellow Pine lumber. The window assembly is secured to the wall framing using Kolbe & Kolbe metal installation clips. The installation clips (20 gauge x 10 1/16" x 1 5/8") are secured to the window side jambs, head, and sill. The clips are secured to the window frame with two (2) No. 8 x 3/4" screws. The clips are secured to the wall framing with one (1) No. 8 x 1 1/4" screw. The fasteners shall be long enough to penetrate a minimum of 1 1/4" into the wall framing. The spacing of the clips is specified in the table below.

Installation Clip Spacing:

System	Distance From Each Corner Side Jambs	Distance From Each Corner Head/Sill	Head/Sill (on center spacing)	Side Jambs (on center spacing)
1	12"	15"	15"	12"

Option 2 (Frame Installation): The window assembly is secured to the wall framing using the frame of the window with minimum No. 10 x 2 1/2" screws. All fasteners shall be long enough to penetrate a minimum of 1 1/2" into the wall framing. The spacing of the fasteners is specified in the table below.

Fastener Spacing:

System	Distance From Each Corner Side Jamb	Distance From Each Corner Head/Sill	Head/Sill (on center spacing)	Side Jambs (on center spacing)
1	8"	12"	12"	8"

Brickmould: The brickmould shall be secured to the wall framing with minimum 2" long T-nails spaced approximately 24 inches on center along all four sides.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.